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[54] FLASHLIGHTS AND OTHER BATTERY-POWERED APPARATUS FOR HOLDING AND ENERGIZING TRANSDUCERS

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[58] Field of Search ..... 429/97, 123; 200/11 R, 200/50.04, 60; 362/183, 184, 194, 204, 205, 206

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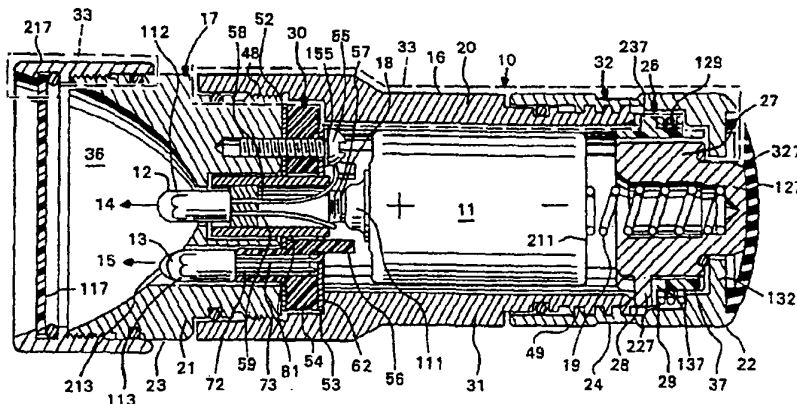
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[57] ABSTRACT

A battery-powered apparatus for holding and energizing an electric transducer, includes a hand-held battery housing carrying the transducer mount, and first and second internal battery contacts. A first external battery charge terminal is on the transducer mount, and a second external battery charge terminal is on a part of the battery housing, such as its end cap. A double-throw switch has a common element electrically connected to an internal battery terminal contact, has a first switched contact leading to a first terminal of the electric transducer, and has opposite second switched contact electrically connected to an external battery charge terminal. If there are two electric transducers, they may be a part of a light source comprising a reflector, a first electric lamp having a filament at its focal point, and a second electric lamp extending into that reflector beside the first electric lamp.

78 Claims, 5 Drawing Sheets



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